# Heterogeneous Nuclear Ribonucleoprotein A3 (HNRNPA3) Rat Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Heterogeneous nuclear ribonucleoprotein A3 (Hnrnpa3), Recombinant Protein |
| **Full Product Name** | Recombinant Rat Heterogeneous nuclear ribonucleoprotein A3 (Hnrnpa3) |
| **Product Gene Name** | Hnrnpa3 recombinant protein |
| **Product Synonym Gene Name** | Hnrnpa3 |
| **Sequence** | MEVKPPPGRP QPDSGRRRRR RGEEGHDPKE PEQLRKLFIG GLSFETTDDS LREHFEKWGT LTDCVVMRDP QTKRSRGFGF VTYSCVEEVD AAMCARPHKV DGRVVEPKRA VSREDSVKPG AHLTVKKIFV GGIKEDTEEY NLRDYFEKYG KIETIEVMED RQSGKKRGFA FVTFDDHDTV DKIVVQKYHT INGHNCEVKK ALSKQEMQSA GSQRGRGGGS GNFMGRGGNF GGGGGNFGRG GNFGGRGGYG GGGGGSRGSY GGGDGGYNGF GGDGGNYGGG PGYSSRGGYG GGGPGYGNQG GGYGGGGGGY DGYNEGGNFG GGNYGGGGNY NDFGNYSGQQ QSNYGPMKGG SFGGRSSGSP YGGGYGSGGG SGGYGSRRF |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 37,086 Da |
| **Sequence Positions** | 1-379, full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q6URK4 |
| **Species** | Rat |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Hnrnpa3 recombinant protein** | MBS1332731 is a recombinant protein targeting Hnrnpa3. Also known as Recombinant Rat Heterogeneous nuclear ribonucleoprotein A3 (Hnrnpa3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of Hnrnpa3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hnrnpa3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 162329577 |
| **NCBI GeneID** | 362152 |
| **NCBI Accession #** | NP_001104764.1 |
| **UniProt Primary Accession #** | Q6URK4 |

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| **UniProt Secondary Accession #** | Q6URK3 |
| **UniProt Related Accession #** | Q6URK4 |
| **GenBank Nucleotide #** | NM_001111294.1 |
| **NCBI Official Full Name** | heterogeneous nuclear ribonucleoprotein A3 isoform a |
| **NCBI Official Synonym Full Names** | heterogeneous nuclear ribonucleoprotein A3 |
| **NCBI Official Symbol** | Hnrnpa3 |
| **NCBI Official Synonym Symbols** | mBx; Hnrpa3 |
| **UniProt Protein Name** | Heterogeneous nuclear ribonucleoprotein A3 |
| **Protein Family** | Heterogeneous nuclear ribonucleoprotein |
| **UniProt Gene Name** | Hnrnpa3 |
| **UniProt Synonym Gene Names** | Hnrpa3; hnRNP A3 |
| **NCBI Protein Information** | heterogeneous nuclear ribonucleoprotein A3 |
| **NCBI Summary for Hnrnpa3** | an mRNA binding protein involved in cytoplasmic trafficking of messages to specific sites in the cell [RGD, Feb 2006] |
| **UniProt Comments for Hnrnpa3** | Plays a role in cytoplasmic trafficking of RNA. Binds to the cis-acting response element, A2RE. May be involved in pre-mRNA splicing. |
| **Research Articles on Hnrnpa3** | **1.** Neurons in the hippocampus of C9orf72 patients are frequently devoid of hnRNPA3. Reduced nuclear hnRNPA3 in the hippocampus of patients with extended C9orf72 repeats correlates with increased DPR deposition. |
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